

NOV 04 2004

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TRANSMITTAL FORM

(To be used for all correspondence after initial filing)

(To be used for all correspondence after initial filing)	Application Number	10/634,020	
	Filing Date	08/04/2003	
	First Named Inventor	Lu et al.	
	Art Unit	1725	
	Examiner Name	Len Tran	
Total Number of Pages in This Submission	10	Attorney Docket Number	12004

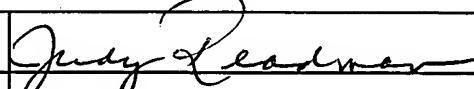
ENCLOSURES (Check all that apply)			
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input checked="" type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Supplemental Application Data Sheet; PTO-2038 Credit Card Payment Form; Return Receipt Post Card	
Remarks			

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Battelle Memorial Institute		
Signature			
Printed name	William B. Richards		
Date	10/13/2004	Reg. No.	44,301

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature			
Typed or printed name	Judy Readman	Date	11/4/2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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11-05-04

Attorney Docket No. 12004

DAC
JRW

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group: 1725

Attorney Docket: 12004

Applicant: Lu et al.

Title: Resistance Spot Welding Electrode

Serial No.: 10/634,020

Filed: August 4, 2003

Examiner: Tran, Len



Certificate Under 37 CFR § 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service in an envelope addressed to Mail Stop Petition, Director of the United States Patent Office, Box 1450, Alexandria, VA 22313-1450 as "Express Mail Post Office to Addressee".

on 11/04/2004

Judy Readman
Judy Readman

ED065846157US
Mailing Label No.

RULE 1.182 PETITION

Mail Stop Petition
Commissioner for Patents
Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. § 1.182, Applicants hereby petition to change the order of named inventors in the above-captioned Application. There are three inventors named in this case:

Feng Lu

Zhenning Cao

Pingsha Dong

When the Application was filed, Mr. Lu was listed first in the Combined Declaration and Power of Attorney. The corporate policy of the employer and Assignee, the Battelle Memorial Institute, would reverse the order and place Mr. Cao as the first-named inventor. As the Commissioner might understand, the order of inventors on a granted patent is of particular importance in a research environment such as that of the Assignee.

130.00 op

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01 FC:1460

Included herewith is a Supplement Application Data Sheet, pursuant to 37 C.F.R. § 1.76(c) showing the indicated change.

Pursuant to 37 C.F.R. §§ 1.182 and 1.17(h), Applicants enclose herewith a credit card authorization form PTO-2038 for \$130.00 for review of this Petition. Please charge any additional fees, or credit any overpayments in connection with this Response to Assignee's Deposit Account 021266. A duplicate copy of this authorization is also enclosed.

Respectfully submitted,



William B. Richards, Esq.
Attorney for Applicants
Reg. No. 44,301

Battelle Memorial Institute
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Columbus, OH 43201
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Fax: 614/424-3864
E-mail: richardsw@battelle.org
Customer Number: 24116

PATENT APPLICATION***IN THE UNITED STATES PATENT AND TRADEMARK OFFICE***

Group: 1725

Attorney

Docket: 12004

Applicant: Lu *et al.*

Title: Resistance Spot Welding Electrode

Serial No.: 10/634,020

Filed: August 4, 2003

Examiner: Tran, Len

Certificate Under 37 CFR § 1.10

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on 11/04/2004


Judy Readman

ED065846157US

Mailing Label No.

SUPPLEMENTAL APPLICATION DATA SHEET

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. § 1.76(c), the following information submitted previously is changed as indicated:

APPLICANT BIBLIOGRAPHIC DATA

1. Applicant information is being modified to change the order of inventors. A petition and fee pursuant to 37 C.F.R. §§ 1.182 and 1.17(h), respectively, are included herewith.

First Applicant

Given Name:: Zhenning
Family Name:: Cao

Second Applicant

Given Name:: Pingsha
Family Name:: Dong

Third Applicant

Given Name:: Feng
Family Name:: Lu

Respectfully submitted,



William B. Richards, Esq.
Attorney for Applicants
Reg. No. 44,301

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Customer Number: 24116

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NOV 04 2004
PATENTS & TRADEMARKS
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for FY 2005

Effective 10/01/2004. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 130.00)

Complete if Known

Application Number	10/634,020
Filing Date	08/04/2003
First Named Inventor	Lu et al.
Examiner Name	Tran, Len
Art Unit	1725
Attorney Docket No.	12004

METHOD OF PAYMENT (check all that apply)

Check Credit card Money Order Other None

 Deposit Account:

Deposit Account Number
021266
Deposit Account Name

The Director is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) or any underpayment of fee(s)
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION**1. BASIC FILING FEE**

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)		
1001 790	2001 395	Utility filing fee	
1002 350	2002 175	Design filing fee	
1003 550	2003 275	Plant filing fee	
1004 790	2004 395	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1) (\$ 00			

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid
			-20** =	X	=
			- 3** =	X	=

Large Entity	Small Entity	Fee Description
Fee Code (\$)	Fee Code (\$)	
1202 18	2202 9	Claims in excess of 20
1201 88	2201 44	Independent claims in excess of 3
1203 300	2203 150	Multiple dependent claim, if not paid
1204 88	2204 44	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2) (\$ 00		

**or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 430	2252 215	Extension for reply within second month	
1253 980	2253 490	Extension for reply within third month	
1254 1,530	2254 765	Extension for reply within fourth month	
1255 2,080	2255 1,040	Extension for reply within fifth month	
1401 340	2401 170	Notice of Appeal	
1402 340	2402 170	Filing a brief in support of an appeal	
1403 300	2403 150	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,370	2453 685	Petition to revive - unintentional	
1501 1,370	2501 685	Utility issue fee (or reissue)	
1502 490	2502 245	Design issue fee	
1503 660	2503 330	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	130.00
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 790	2809 395	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 790	2810 395	For each additional invention to be examined (37 CFR 1.129(b))	
1801 790	2801 395	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 130.00

(Complete if applicable)

SUBMITTED BY

Name (Print/Type)	William B. Richards	Registration No. (Attorney/Agent)	44,301	Telephone	614-424-5612
Signature	William B. Richards			Date	11/04/2004

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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